==========

Sequence Listing could not be accepted due to errors.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: Durreshwar Anjum
Timestamp: [year=2010; month=6; day=30; hr=11; min=33; sec=12; ms=117;]

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****

Reviewer Comments:
The Sequence Rules require a sequence listing to begin with the title "Sequence Listing".
Sec. 1.823 Requirements for nucleotide and/or amino acid sequences as part of the application papers.

(a) The ``Sequence Listing'' required by Sec. 1.821(c), setting forth the nucleotide and/or amino acid sequences and associated information in accordance with paragraph (b) of this section, must begin on a new page and must be titled ``Sequence Listing''. Please add the mandatory title "Sequence listing" to the top of the first page.

<210> 19
<211> 9
<212> PRT
<213> Homo sapiens

400> 19
Thr His Ser Arg Ala Asp Arg Arg Glu
1 5
Please insert an (<) open bracket at Numeric Identifier <400>. Please check for similar errors and make all necessary changes.

****

Validated By CRFValidator v 1.0.3

Application No: 10581431 Version No: 4.0

Input Set:

Output Set:

Started: 2010-06-18 15:59:15.855
Finished: null
Elapsed: null
Total Warnings: 18
Total Errors: 2
No. of SeqIDs Defined: 72
Actual SeqID Count: 19

Error code		Error Description
W	213	Artificial or Unknown found in <213> in SEQ ID (1)
W	213	Artificial or Unknown found in <213> in SEQ ID (2)
W	213	Artificial or Unknown found in <213> in SEQ ID (3)
W	213	Artificial or Unknown found in <213> in SEQ ID (4)
W	213	Artificial or Unknown found in <213> in SEQ ID (5)
W	213	Artificial or Unknown found in <213> in SEQ ID (6)
W	213	Artificial or Unknown found in <213> in SEQ ID (7)
W	213	Artificial or Unknown found in <213> in SEQ ID (8)
W	213	Artificial or Unknown found in <213> in SEQ ID (9)
E	224	<220>,<223> section required as <213> has Artificial sequence or Unknown in SEQID (9)
W	213	Artificial or Unknown found in <213> in SEQ ID (10)
W	213	Artificial or Unknown found in <213> in SEQ ID (11)
W	213	Artificial or Unknown found in <213> in SEQ ID (12)
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W	213	Artificial or Unknown found in <213> in SEQ ID (15)
W	213	Artificial or Unknown found in <213> in SEQ ID (16)
W	213	Artificial or Unknown found in <213> in SEQ ID (17)
W	213	Artificial or Unknown found in <213> in SEQ ID (18)

Input Set:

Output Set:

Started: 2010-06-18 15:59:15.855
Finished: null
Elapsed: null
Total Warnings: 18
Total Errors: 2
No. of SeqIDs Defined: 72
Actual SeqID Count: 19

Error code	Error Description
E 249	Order Sequence Error <213> -> <210>; Expected Mandatory Tag: <400> in SEQID (19)

<110> The Scripps Research Institute

<120> INTEGRIN ALPHA.IIb.BETA.3 SPECIFIC ANTIBODIES AND PEPTIDES

<130> TSRI 1019.1 US

<140> 10581431
<141> 2010-06-18

<150> US 60/526,859
<151> 2003-12-03
<150> PCT/US2004/040381
<151> 2004-12-03

<160> 72

<210> 1
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 part

<400> 1

Cys Ser Phe Gly Arg Gly Asp Ile Arg Asn Cys
  1   5   10

<210> 2
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 part

<400> 2

Gly Ser Phe Gly Arg Gly Asp Ile Arg Asn Gly
  1   5   10

<210> 3
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
<221> VARIANT
<222> (3,4,5,9,10,11)
<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,

Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 3

Val Gly Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa Tyr Ala Met Asp
  1   5   10   15
Val

<210> 4
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 4

Val Val Cys Arg Ala Asp Lys Arg Cys
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<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 5

Val Trp Cys Arg Ala Asp Arg Arg Cys
  1   5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 6

Val Trp Cys Arg Ala Asp Lys Arg Cys
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<210> 7
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> HCDR3 consensus part

<400> 7

Val Val Cys Arg Ala Asp Arg Arg Cys
  1   5

<210> 8
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 8

Val Arg Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 9
<211> 72
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (25,26,28,29,31,32,43,44,46,47,49,50)
<223> primer neo-rad-f; encoded by randomized DNA sequence: a, g, c, t
<220>
<221> misc_feature
<222> (27,30,33,45,48,51)
<223> primer neo-rad-f; encoded by randomized DNA sequence: g, t

<400> 9

gtgtattact gtgcgagagt ggggnnknnk nnkcgtgccg acnnknnknn ktacgctatg   60

gacgtctggg gc   72

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer dpseq

<400> 10

agaagcgtag tccggaacgt c   21

<210> 11
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47N-term

<400> 11

gctgcccaac cagccatggc cgaggtgcag ctgttggagt ctgggggagg cttggta 57

<210> 12
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> primer DP-47FR3

<400> 12

cactctcgca cagtaataca cggccgtgtc ctcggctct 39

<210> 13
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer lead-VH

<400> 13

ggccatggct ggttgggcag c 21

<210> 14
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> primer dp-EX

<400> 14

gaggaggagg aggaggagag aagcgtagtc cggaacgtc 39

<210> 15
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> primer ompseq

<400> 15

aagacagcta tcgcgattgc agtg 24

<210> 16
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<212> DNA
<213> Artificial Sequence

<220>
<223> primer leadB

<400> 16

ggccatggct ggttgggcag c 21

<210> 17
<211> 41
<212> DNA
<213> Artificial Sequence

<220>
<223> primer RSC-F

<400> 17

gaggaggagg aggaggaggc ggggcccagg cggccgagct c 41

<210> 18
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> primer lead-B

<400> 18
ggccatggct ggttgggcag c 21

<210> 19
<211> 9
<212> PRT
<213> Homo sapiens

400> 19
Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 20

<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 20

Val Val Cys Asp Ala Arg Arg Arg Cys
1 5

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> inversed RAD motif peptide

<400> 21

Thr His Ser Asp Ala Arg Arg Arg Glu
1 5

<210> 22
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Construct

<220>
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<222> (1,2,3,7,8,9)
<223> encoded by randomized DNA sequence: Ala, Cys, Asp, Glu,
Phe, Gly, His, Ile, Lys, Leu, Met, Asn, Pro, Gln, Arg, Ser,
Thr, Val, Trp, Tyr

<400> 22

Xaa Xaa Xaa Arg Ala Asp Xaa Xaa Xaa
1 5

<210> 23
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 23

Cys Arg Ala Asp Val Pro Leu Cys
1 5

<210> 24
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif peptide

<400> 24

Cys Met Ser Arg Ala Asp Arg Pro Cys
1 5

<210> 25
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
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<400> 25

Val Arg Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 26
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 26

Val Arg Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 27
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 27

Val Arg Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 28
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 28

Val Gly Val Val Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 29
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 29

Val Gly Val Val Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 30
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 30
Val Gly Val Trp Cys Arg Ala Asp Arg Arg Cys Tyr Ala Met Asp
1 5 10 15
Val

<210> 31
<211> 16
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR consensus part

<400> 31

Val Gly Val Trp Cys Arg Ala Asp Lys Arg Cys Tyr Ala Met Asp
  1   5   10   15
Val

<210> 32
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD87 part

<400> 32

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1   5   10   15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20   25   30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35   40   45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50   55   60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65   70   75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80   85   90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95   100   105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110   115

<210> 33
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD9 part

<400> 33

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1   5   10   15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20   25   30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35   40   45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50   55   60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                 65   70   75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                 80   85   90

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Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                 95                  100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
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<210> 34
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD12 part

<400> 34

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                95                  100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
```

<210> 35
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD34 part

<400> 35

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
```

```
                 95                  100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
```

<210> 36
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD3 part

<400> 36

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys
                65                  70                  75
Asn Ser Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr
                80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Arg Val Val Cys Arg Ala Asp
                95                  100                 105
Arg Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115
```

<210> 37
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD32 part

<400> 37

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Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
                65                  70                  75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr
                80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp
                95                  100                 105
```

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Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115


<210> 38
<211> 118
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

<400> 38

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val His Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Gly Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Ser Tyr Ala Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Ala Ile Gly Thr Gly Gly Gly Thr Tyr Tyr Ala
                 50                  55                  60
Asp Ser Val Lys Gly Arg Phe Thr Val Ser Arg Asp Asn Ser Gln
                 65                  70                  75
Ser Thr Ala Tyr Leu Gln Ile Asn Ser Leu Arg Ala Glu Asp Thr
                 80                  85                  90
Ala Val Tyr Tyr Cys Ala Arg Val Gly Val Trp Cys Arg Ala Asp
                 95                 100                 105
Lys Arg Cys Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
                110                 115


<210> 39
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 39

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
  1               5                  10                  15
Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser
                 20                  25                  30
Phe Tyr Gly Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
                 35                  40                  45
Glu Trp Val Ser Gly Val Ser Ser Ser Gly Ile Thr Thr Tyr Tyr
                 50                  55                  60
Ala Ala Ser Val Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser
                 65                  70                  75
Lys Asn Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp
                 80                  85                  90
Thr Ala Val Tyr Tyr Cys Ala Arg Val Arg Thr His Ser Arg Ala
                 95                 100                 105
Asp Arg Arg Glu Tyr Ala Met Asp Val Trp Gly Gln Gly Thr
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110 115

<210> 40
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<212> PRT
<213> Homo sapiens

<220>
<223> RGD motif

<400> 40

Arg Gly Asp
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<210> 41
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> RAD motif

<400> 41

Arg Ala Asp
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<210> 42
<211> 3
<212> PRT
<213> Mus musculus

<220>
<223> RYD motif

<400> 42

Arg Tyr Asp
1

<210> 43
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD1 part

<400> 43

Thr His Ser Arg Ala Asp Arg Arg Glu
1 5

<210> 44
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD3 part

<400> 44

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 45
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD4 part

<400> 45

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 46
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD9 part

<400> 46

Val Val Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 47
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD11 part

<400> 47

Val Trp Cys Arg Ala Asp Arg Arg Cys
1 5

<210> 48
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD12 part

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Val Val Cys Arg Ala Asp Arg Arg Cys
  1   5

<210> 49
<211> 9
<212> PRT
<213> Homo sapiens

<220>
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<400> 49

Val Trp Cys Arg Ala Asp Lys Arg Cys
  1   5

<210> 50
<211> 9
<212> PRT
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<220>
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<400> 50

Val Val Cys Arg Ala Asp Arg Arg Cys
  1   5

<210> 51
<211> 9
<212> PRT
<213> Homo sapiens

<220>
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<400> 51

Val Val Cys Arg Ala Asp Arg Arg Cys
  1   5

<210> 52
<211> 9
<212> PRT
<213> Homo sapiens

<220>
<223> RAD88 part

<400> 52

Val Trp Cys Arg Ala Asp Lys Arg Cys
  1   5

<210> 53
<211> 18
<212> PRT
<213> Homo sapiens

<220>
<223> Anti-gp120 Fab part

<400> 53

Val Gly Pro Tyr Ser Trp Asp Asp Ser Pro Asp Gln Asn Tyr Tyr
  1